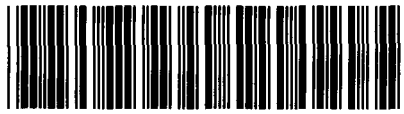

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Public Utility Commission of Texas

Employee Training Report
Required by 16 Texas Admin. Code § 25.97(d)

PROJECT NO. 50595

AFFECTED ENTITY: Bailey County Electric Cooperative Association

General Information

Pursuant to 16 Texas Admin. Code § 25.97(d)(2), not later than the 30th day after the date an affected entity finalizes a material change to a document or training program, the affected entity must submit an updated report. The first report must be submitted not later than May 1, 2020.

Instructions

Answer all questions, fill-in all blanks, and have the report notarized in the Affidavit.

Affidavit

A representative of the affected entity must swear to and affirm the truthfulness, correctness, and completeness of the information provided by attaching a signed and notarized copy of the Affidavit provided with this form.

Filing Instructions

Submit four copies (an original and three copies) of the completed form and signed and notarized Affidavit to:

Central Records Filing Clerk
Public Utility Commission of Texas
1701 N. Congress Avenue
P.O. Box 13326
Austin, Texas 78711-3326
Telephone: (512) 936-7180

1. Provide a summary description of hazard recognition training documents you provide your employees related to overhead transmission and distribution facilities.

Please refer to the HB 4150 training summary the cooperative is providing for the employees.

On February 25,2020 cooperative staff personnel listened to a webinar provided by GDS Associates dbs a Hi-Line Engineering that explained HB 4150.

On March 26, 2020 cooperative personnel listened to a hazard recognition webinar by Texas Electric Cooperatives Loss Control. A recording of the webinar wad provided to the cooperative for those who couldn't listen that day.

Handouts from both webinars were provided to the cooperative's personnel.

All training materials regarding hazard recognition received from TEC Job Training and Safety conferences and meetings and the TEC Engineering Conferences are made available to the cooperative's personnel.

2. Provide a summary description of training programs you provide your employees related to the National Electrical Safety Code for construction of electric transmission and distribution lines.

Engineering personnel have attended staking schools which major emphasis was placed on learning NESC contruction requirements for transmission and distributions facilities.

Line personnel are sent to Texas Electric Cooperative Job Training and Safety training schools that cover all aspects of transmission and distribution line construction and the NESC requirements related to that construction.

Affected Entity: Bailey County Electric Cooperative **PROJECT NO.** 50595

AFFIDAVIT

I swear or affirm that I have personal knowledge of the facts stated in this report or am relying on people with personal knowledge, that I am competent to testify to them, and that I have the authority to submit this report on behalf of the affected entity. I further swear or affirm that all statements made in this report are true, correct, and complete.

David B Marricle
Signature

David B Marricle
Printed Name

Pres/CEO
Job Title

Bailey County Electric Cooperative
Name of Affected Entity

Sworn and subscribed before me this 21st **day of** April, 2020.
Month Year

Suzie P. Brown

SUZIE BROWN
Notary Public, State of Texas
Notary ID# 13170906-1
My Commission Expires 09-04-2022

Notary Public in and For the State of Texas.

My commission expires on September 4, 2022.

INTRODUCTION

In accordance with the William Thomas Heath Power Line Safety Act, HB 4150, and PUCT Substantive Rule 25.97, Bailey County Electric Cooperative is providing a summary description of training programs provided to employees related to overhead transmission and distribution lines. Among other things, this training includes hazard recognition, adherence to NESC guidelines for construction, operation and maintenance of transmission and distribution lines. Training also includes NESC Rule 232, clearance requirements over any of the 178 lakes listed in the Act. Included herein are summaries of the current training modules Bailey County Electric Cooperative provides to employees.

Summary of TEC Safety Meeting HB4150 Training (two- to four-hour course)

The training will include an overview of HB 4150 with an explanation of requirements for the utilities operating in Texas. It will also include hazard recognition training as it applies to the requirements of compliance with the National Electric Safety Code (NESC). This will include clearance requirements for lands, roadways, and waterways. The employee training will define to whom, when and how the bill applies. As well as explanation of guidelines, requirements, and deadlines for filing reports. A portion of the course will include hazard recognition and an explanation of clearance guideline requirements preparing employees to proactively recognize and report hazards and clearance related issues on their utilities' system.

Course Outline:

1. HB 4150 Review
2. Hazard Recognition
3. NESC Clearance Guideline Requirements

Course Materials:

1. Power Point Presentation
2. Presentation Material Handouts
3. NESC Clearance Handouts
4. HB 4150 Law

Summary of Transmission Webinar for PURA §38.102 (one-hour course to accompany TEC Safety Meeting)

PURA §38.102 requires electric utilities including electric cooperatives and municipally owned utilities to provide training to employees related to the National Electric Safety Code (NESC) for construction of electric transmission and distribution lines. This webinar discusses the requirements for transmission facilities which are defined as facilities operating above 60 kV. The webinar will not include discussions regarding distribution lines. This training will focus on transmission clearances, strength issues, and access of overhead transmission lines.

Course Outline:

1. Maximum Operating Temperature and Sag Requirements for Transmission Conductors
2. Additional Ground Clearance Requirements for Transmission Lines
   a. Maximum Operating Voltage
   b. Elevation above Sea Level
   c. Electrostatic Effects to Vehicles below the Line.
3. Additional Clearances from Building/Signs
   a. Deflection of Insulators
   b. Deflection of Structures
   c. Clearance Based on Maximum Operating Voltage
   d. Limited Electrostatic Effects to Buildings and Signs below the Line
4. Mid-span Conductor Clearances
5. Power Lines and Phone Lines Crossing below Transmission Lines

6. Grade of Construction for Voltages Over 22kV
    a. Guying Strength Requirements
    b. Under-build Strength Requirements
7. Identification of Climbable Supporting Structures

Objectives:

1. Determine appropriates clearances for transmission lines.
2. Define maximum sag for determined clearances.
3. Identify strength requirements for transmission facilities

Summary of Hazardous Recognition Training for Transmission Facilities (one-hour course to accompany TEC Safety Meeting)

PURA §38.102 requires electric utilities including electric cooperatives and municipally owned utilities to provide hazard recognition training related to overhead transmission and distribution facilities. For the purposes of this training, transmission facilities include those electric facilities operating above 60 kV. One of the challenges to recognizing hazards inherent to transmission facilities is the significant changes in conductor sag for transmission lines. The goal for this training is to educate employees to observe, recognize and report hazardous situations.

Course Outline:

1. Definition of a Hazard
2. Hazards to Report
    a. Non-compliance with NESC
    b. Failed System Components
    c. Failure of Warning Lights/Marker Balls
3. Summary of Clearances for Transmission Facilities
4. Recognition of Changes in Conductor Sag for Long Spans
5. Activities near the Line
    a. Grading
    b. Crane Operation OSHA 1926.1408(a)
    c. Scaffold Clearances OSHA 1926.451(f)
    d. Construction of Adjacent Buildings/Signs
6. Right-of-way Issues
    a. Danger Trees
    b. Dead Trees
    c. Erosion of the Right-of-Way
7. Priorities of Reported Issues
8. Record Keeping Requirements

Objectives:

1. Define hazards associated with transmission lines.
2. Identify appropriate distance for cranes from power lines.
3. Identify required clearances for transmission line related to roads and buildings.
4. Define a danger tree.